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This study of the 1968 graduates of Manatee Junior College, Florida, showed that: (1) it is not necessary to be in the top 40% of grade 12 to succeed in junior college, (2) students in the lowest percentiles at entrance can earn a degree, (3) the average candidate for a degree should expect to spend more than four terms at the junior college, (4) probation should not prove to be an insurmountable handicap to graduation, (5) part-time students can earn a degree, too, (6) the program followed had little effect on the final average GPA, (7) in general, those in the higher percentiles at entrance had higher GPA's at graduation, (8) students transferring credits in to the college had to earn 15% more total credits, on the average, to graduate, (9) graduation from a junior college is an incentive to continue at a senior institution. (RM)

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STUDY OF 1968 GRADUATES

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A Study

of the

1968 Graduates

of

MANATEE JUNIOR COLLEGE
Bradenton, Florida

by

Earl R. Stivers
Director of Institutional Research

February 1969

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UNIVERSITY OF CALIF.
LOS ANGELES

APR 19 1969

CLEARINGHOUSE FOR
JUNIOR COLLEGE
INFORMATION

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IMPORTANT FACTS DEVELOPED

1. It is not necessary, even though desirable, to have a Florida 12th grade score of 300 (top 40%) to succeed at the junior college.

   42% of the graduates who offered 12th grade scores had less than 300.

2. It is possible for students in the lowest percentiles to earn a degree through perseverence.

   4% of the 1968 graduates were in the lowest percentiles (3) at entrance.

3. The average candidate for a degree should expect to spend more than four terms at the junior college.

   84% of the 1968 candidates not transfers required more than four terms.

4. Probation should not prove an insurmountable handicap

   during their stay, 31% of the 1968 graduates averaged 2.4 terms on probation.

5. Part-time students can earn a degree too.

   6% of the 1968 graduates entered the college before 1964 and five students were in attendance for more than 10 terms.

6. The program followed had little effect on the final average G.P.A.

7. In general, those in the higher percentiles at entrance had higher G.P.A.'s at graduation.

8. Students transferring credits in to the college had to earn 15% more total credits, on the average, to graduate.

   Many transfer students enter the college on probation.

9. Graduation from a junior college is an incentive to continue at a senior institution.

   87% of the A.A. graduates planned to do so.
   If Nursing is omitted, 3 out of 4 graduates were college bound.

In May 1968 MJC conferred degrees on 398 individuals divided between men and women as follows:

Degree	Men	Women
Associate in Arts	181	93
Associate in Arts - Nursing	5	34
Associate in Science		
Secretarial or Business	5	22
Technical Programs	38	2
Computer Programmer	6	6
Total	235	163

324 or 81% of these graduates earned all their credits at Manatee Junior College.

Six percent of these students entered the college more than four years before graduation with an average stay of 8 terms. Many of these were part time students. A few who transferred to the college spent just two terms previous to graduation. The entrance dates for the graduating students is given in Table 1.

TABLE 1 - Term at Which 1968 Graduates Entered M.J.C.

Entrance Date		Number	Average 12th Grade Score	Average GPA Earned
Before	1964	23	273	2.50
Spring	1964	2	305	3.61
Summer	1964	0	---	----
Fall	1964	19	298	2.35
Spring	1965	4	301	2.61
Summer	1965	18	304	2.66
Fall	1965	99	300	2.38
Spring	1966	28	304	2.67
Summer	1966	39	303	2.72
Fall	1966	157	306	2.66
Spring	1967	3	310	2.90
Summer	1967	2	315	2.60
Fall	1967	4	304	2.43
		398	303	2.58

Mean Entrance Term = Spring 1966

Mode " " = Fall 1966

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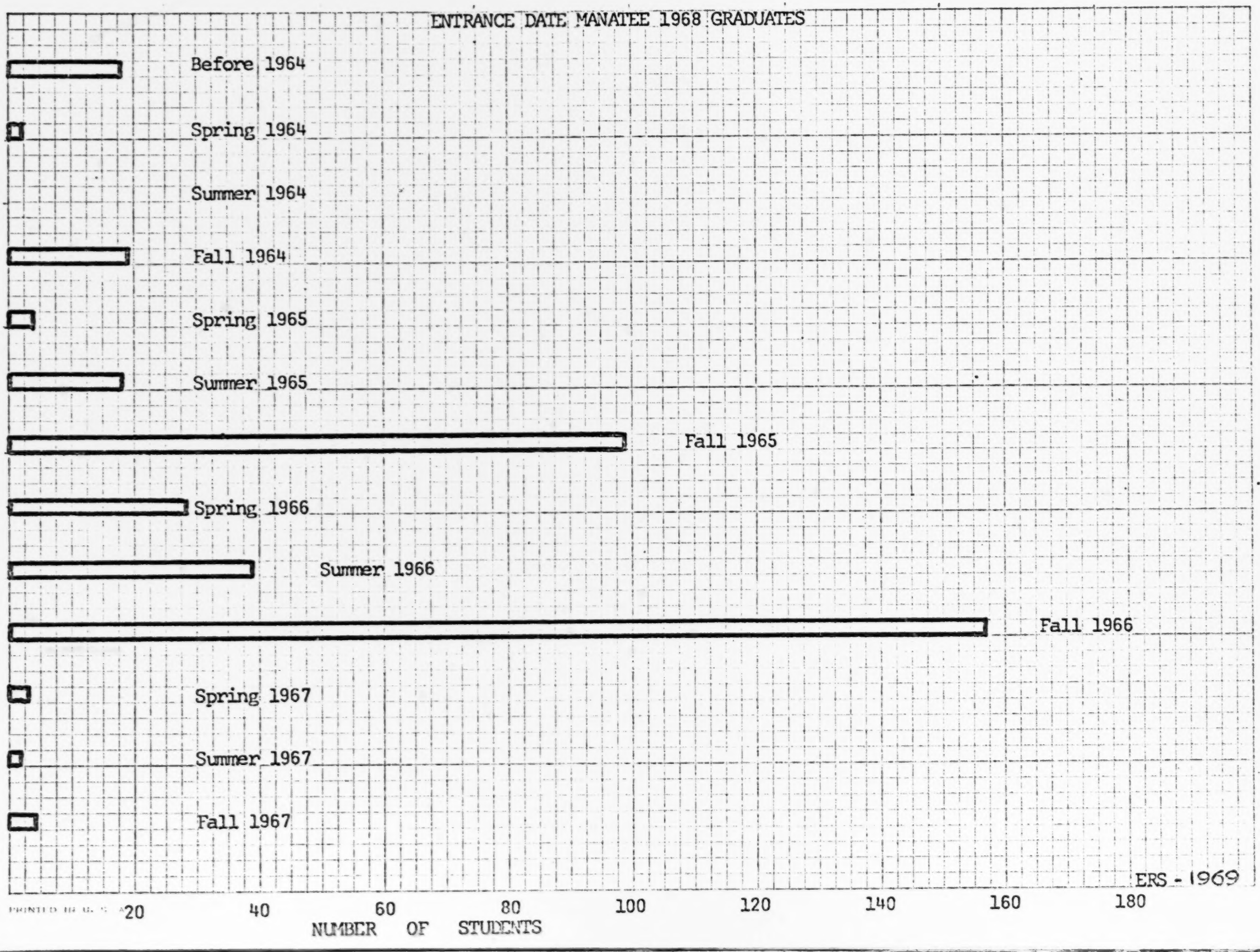

The Florida 12th grade test has a top score of 500. Florida Universities require a student to have a score of 300 to be eligible for entrance. Manatee Junior College has no such limitation. However, students who fail to score 150 on the 12th grade test are admitted to Basic Studies courses only. Entering students also take a SCAT test at the college and the minimum score for admission to college credit courses is 281.. Students in Basic Studies can establish eligibility for admission to college courses by successively completing this preliminary work.

It is interesting to note that of the 1968 graduates who offered 12th grade scores at entrance, 42.4% were admitted to Manatee Junior College with test scores less than 300. Perhaps even more surprising, 4% who succeeded in earning a degree entered with scores in the 3 lowest percentiles.

Entrance scores are listed in Tables 2 and 3.

TABLE 2 - Comparison of Entrance Scores

12th Grade Percentile	Number	Average 12th G. Score	Average SCAT Score	Corresponding SCAT Percentile
1	3	9	291	3
2	2	58	294	4
3	8	125	292	4
4	25	183	291	3
5	42	223	295	4
6	49	276	299	5
7	45	327	301	6
8	63	373	307	8
9	47	423	314	9
10	19	465	323	10
	303	315	303	

Mean 12th Grade Percentile = 6.5
Mode " " " = 8.

The number of graduates who had Florida 12th Grade Test Scores less than 300 at entrance were 129 or 42.4%.

TABLE 3 - SCAT Scores by Percentile

SCAT Percentile	Number	Average SCAT Score
1	0	
2	7	284
3	35	288
4	37	294
5	78	298
6	32	301
7	64	304
8	42	307
9	52	312
10	45	321
	392	303

Mean SCAT Percentile 6.1
Mode " " 5.

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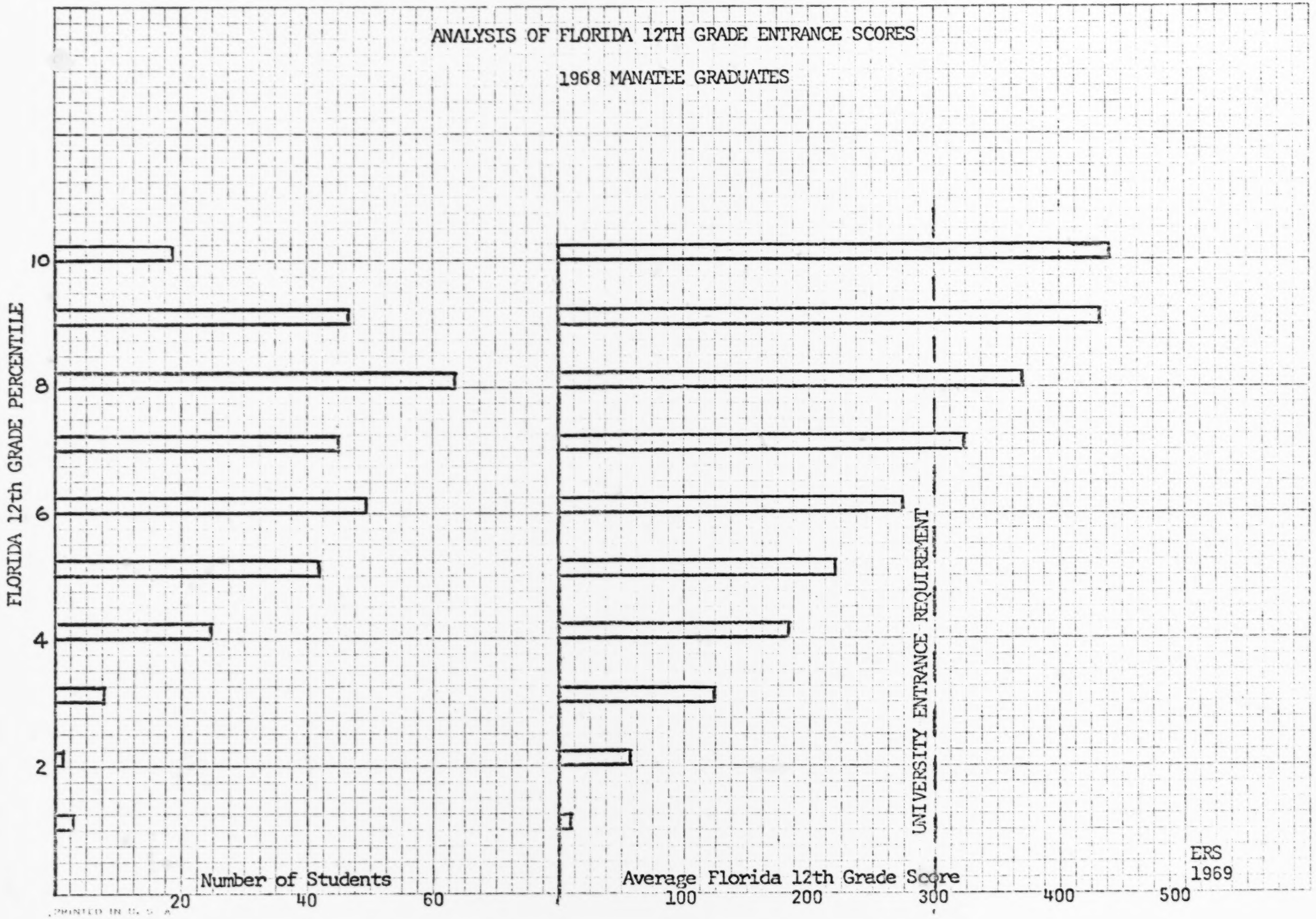
ANALYSIS OF FLORIDA 12TH GRADE ENTRANCE SCORES

1968 MANATEE GRADUATES



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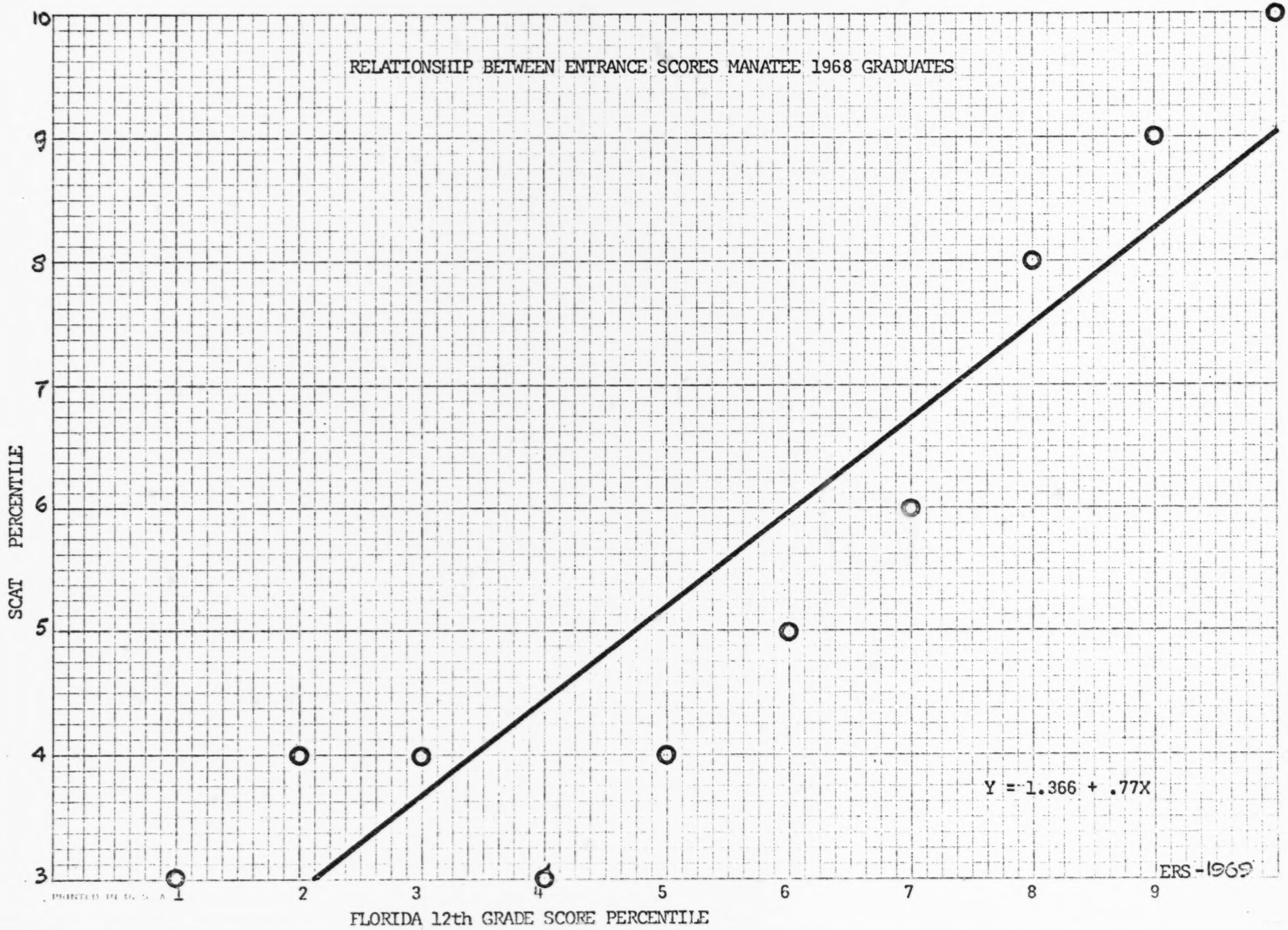
RELATIONSHIP BETWEEN ENTRANCE SCORES MANATEE 1968 GRADUATES
SCAT PERCENTILE
10
9
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3
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2
3
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9
Y = 1.366 + .77X
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FLORIDA 12th GRADE SCORE PERCENTILE

Not every student finds smooth sailing in college, in fact, of the 1968 graduates, nearly one-third were on probation for from one to nine terms. Tables 4 and 5 list these by percentiles with the number of terms required to graduate.

TABLE 4 - Graduates with Terms on Probation

(By 12th Grade Percentiles)

12th Grade Percentile	Number in Percentile	Number on Probation	Percent of Number in Percentile	Average Terms on Probation	Duration in College Terms
1	3	2	67	2.5	6.7
2	2	2	100	4.5	6.3
3	8	6	75	1.5	6.4
4	25	12	48	2.8	5.5
5	42	13	31	3.0	5.3
6	49	14	29	2.6	5.0
7	45	18	40	2.4	5.4
8	63	16	25	2.6	5.1
9	47	11	23	2.0	4.8
10	19	4	21	1.5	4.7
	303	98	32	2.5	5.2

TABLE 5 - Graduates with Terms on Probation

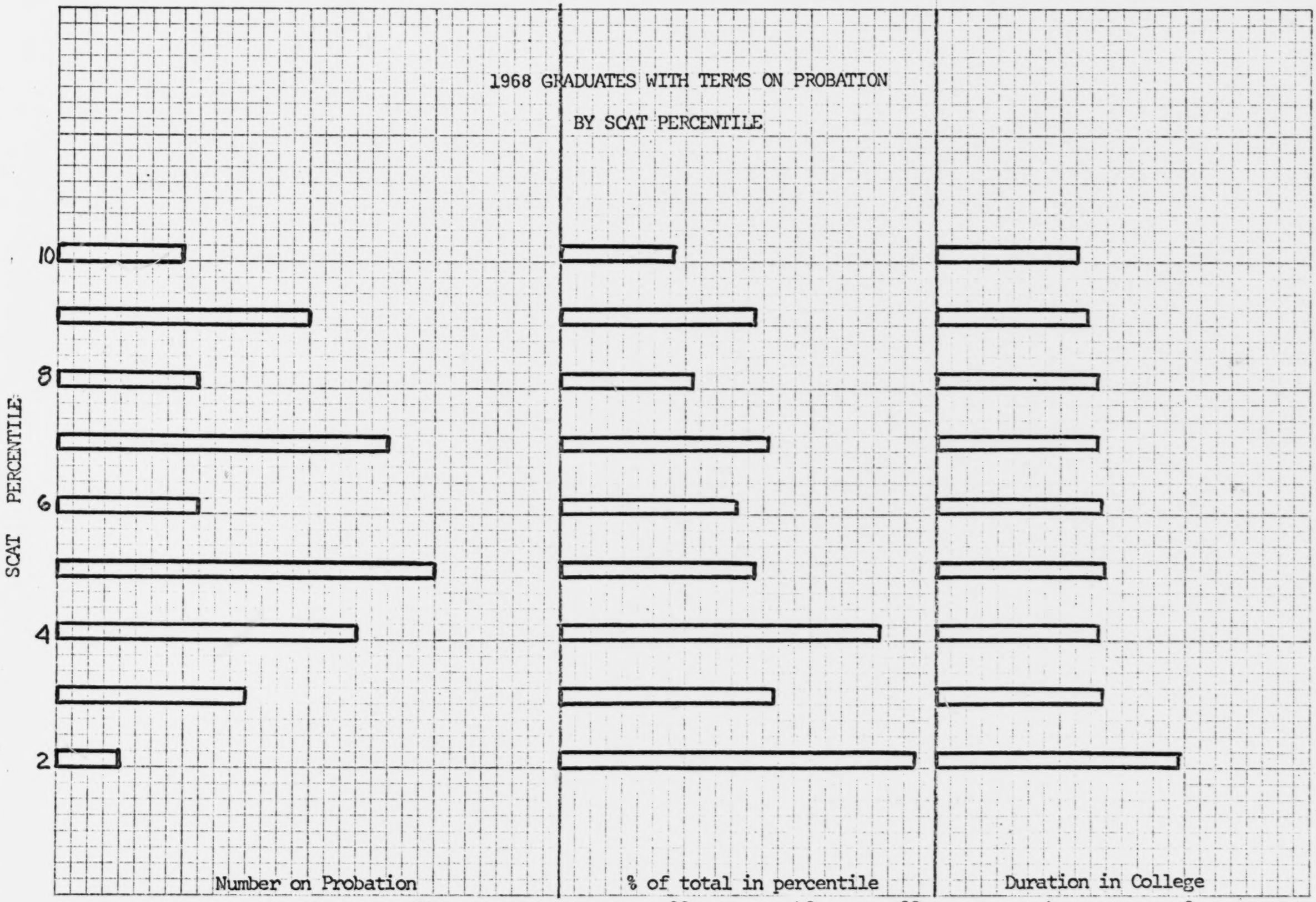
(By SCAT Percentiles)

Percentile	Number in Percentile	Number on Probation	Percent of Number in Percentile	Average Terms on Probation	Duration in College Terms
1	0	0	0	0	0
2	7	4	57	3.3	7.8
3	35	12	34	2.2	5.3
4	37	19	51	2.4	5.2
5	78	24	31	2.8	5.4
6	32	9	28	3.8	5.3
7	64	21	33	2.2	5.2
8	42	9	21	2.4	5.2
9	52	16	31	1.8	4.9
10	45	8	18	1.8	4.6
	392	122	31	2.4	5.2

Note: Each Semester and 12 weeks Summer = one term.

1968 GRADUATES WITH TERMS ON PROBATION

BY SCAT PERCENTILE



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Credits transferred-in by students from other institutions varied from 3 to 66 but averaged 20. Table 7 shows how these were distributed.

TABLE 7 - Credits Transferred In

Degree	Number of Students Transferring Credits of					
	0-11	12-23	24-35	36-47	48+	Average
Associate in Arts	11	18	16	5	0	19.4
A.A. - Nursing	4	3	2	1	1	24.2
Associate in Science						
Secretarial or Business	0	0	2	1	0	33.7
Technical Programs	5	3	0	0	0	14.9
Computer Programmer	0	0	2	0	0	33
Number of students	20	24	22	7	1	
Total Credits	117	332	709	275	66	20

There appears to be a definite relationship between terms on probation and duration in college for those who graduate. Table 6 shows this expectation.

TABLE 6 - Relation Between Number of Probation Terms and Duration in College

Terms on Probation	Duration in College From 12th Gr.	From SCAT	Range In Full Terms
0	4.93	4.00	4.00 to 5.00
1	5.16	4.20	4.50 to 5.50
1 1/2	5.28	4.60	5.00 to 5.50
2	5.39	5.00	5.00 to 5.50
2 1/2	5.51	5.41	5.50
3	5.62	5.82	6.00
3 1/2	5.72	6.23	6.00 to 6.50
4	5.85	6.63	6.00 to 7.00
4 1/2	5.96	6.86	6.00 to 7.00
Mean 2 1/2	5.50	5.50	

Note: 52 students who were not transfers or 16% completed their programs in just 4 terms.

The credits earned for graduation are given in Table 8. Both the Nursing and Technical Programs require more credits, on the average, than the other programs and those transferring credits in still average just about as many at MJC as the native students in all programs and more in some programs.

TABLE 8 - Credits Earned for Graduation by Degree

		CREDITS AVERAGE		
Degree	Students Number	MJC	Transferred In	Total
AA	230	66	0	66
AA	50	66	19	85
AA - Nursing	28	78	0	78
AA - "	11	80	22	102
AS - Sec., Bus.	24	65	0	65
AS - " "	3	84	34	118
AS - Technical	32	82	0	82
AS - "	8	92	15	107
AS - Com. Prog.	10	69	0	69
AS - " "	2	86	50	136
Native Students	324	69	0	69
Transfer "	74	72	20	92
TOTAL	398	70	20	90

The following tables indicate the number of graduates by percentiles and degrees together with the average GPA's for each. It can be noted that the average final GPA's are not too different for the various degrees. There is, however, an increase in the averages from the lower to the higher percentiles.

TABLE 9 - Analysis of 1968 Graduates on Basis of 12th Grade Percentile by Degree Earned and Final GPA.

12th Grade Percentile	Number of Graduates					Final GPA Average				
	01	02	03	04	05	01	02	03	04	05
1	2	1	0	0	0	2.11	2.18	----	----	----
2	2	0	0	0	0	2.17	----	----	----	----
3	5	0	2	1	0	2.47	----	2.18	2.43	----
4	17	1	2	5	0	2.35	2.64	2.17	2.59	----
5	23	8	4	6	1	2.36	2.46	2.27	2.37	2.34
6	36	2	5	4	2	2.46	2.77	2.29	2.44	2.04
7	35	2	2	5	1	2.50	2.59	2.63	2.70	2.88
8	47	6	3	7	0	2.69	2.45	3.02	2.41	----
9	39	4	1	2	1	2.70	3.00	3.12	2.54	3.10
10	15	1	0	3	0	2.89	2.71	----	3.12	----
	221	25	19	33	5	2.56	2.59	2.46	2.55	2.48
Mean Percentile	6.7	7.0	6.4	7.2	6.0					

Total Graduates with 12th Grade Scores 303 Average GPA 2.55

KEY TO DEGREES

01 - AA
02 - AA - Nursing
03 - AS - Sec., Bus.
04 - AS - Technical
05 - AS - Comp Prog

TABLE 10 - Analysis of 1968 Graduates on Basis of SCAT Percentile by Degree Earned and Final GPA

SCAT Percentile	Number of Graduates					Final GPA Average				
	01	02	03	04	05	01	02	03	04	05
1	--	--	--	--	--					
2	5	--	2	--	--	2.54	----	2.16	----	----
3	26	1	3	4	1	2.49	2.56	2.20	2.36	2.03
4	26	1	3	7	--	2.35	2.34	2.57	2.57	----
5	47	12	7	10	2	2.40	2.55	2.49	2.46	2.74
6	21	6	1	3	1	2.62	2.34	2.52	2.55	2.03
7	47	7	3	6	1	2.57	2.84	2.84	2.67	2.05
8	31	2	5	2	2	2.63	2.43	2.50	2.31	3.34
9	40	4	2	3	3	2.70	2.48	3.02	2.53	2.88
10	35	4	--	5	1	2.80	2.96	----	2.90	2.55
	278	37	26	40	11	2.57	2.60	2.52	2.56	2.68
Mean Percentile	6.54	6.83	4.71	7.0	7.5					

Total Graduates with SCAT scores 392 Average GPA 2.57

Finally there is a count of the graduates who indicated they were continuing their education. The largest percentage (87%) were from those receiving the A.A. degree.

TABLE 11 - College Bound 1968 Graduates

Degree Earned	Degrees	Number to College	Percent
AA	280	243	86.8
AA - Nursing	39	2	5.1
AS - Secretarial, Business	27	5	18.5
AS - Technical Programs	40	15	37.5
AS - Com. Prog.	12	5	41.7
	398	270	67.8

TABLE 12 - College Preferred*

	Number	Average Score 12th Gr.	Average GPA	Percent of Total
Florida Atlantic University	16	342	2.42	5.9
University of South Florida	78	336	2.61	28.9
University of Florida	67	335	2.60	24.8
Florida State University	51	288	2.57	18.9
University of West Florida	22	295	2.53	8.1
University of Miami	4	309	2.85	1.5
Florida Southern College	1	378	2.50	.4
Florida Technical University	1	290	2.27	.4
University of Tampa	2	---	2.94	.7
Florida A & M University	1	171	2.38	.4
Other	27	307	2.45	10.0
	270	317	2.57	100

*From requests for transcripts.

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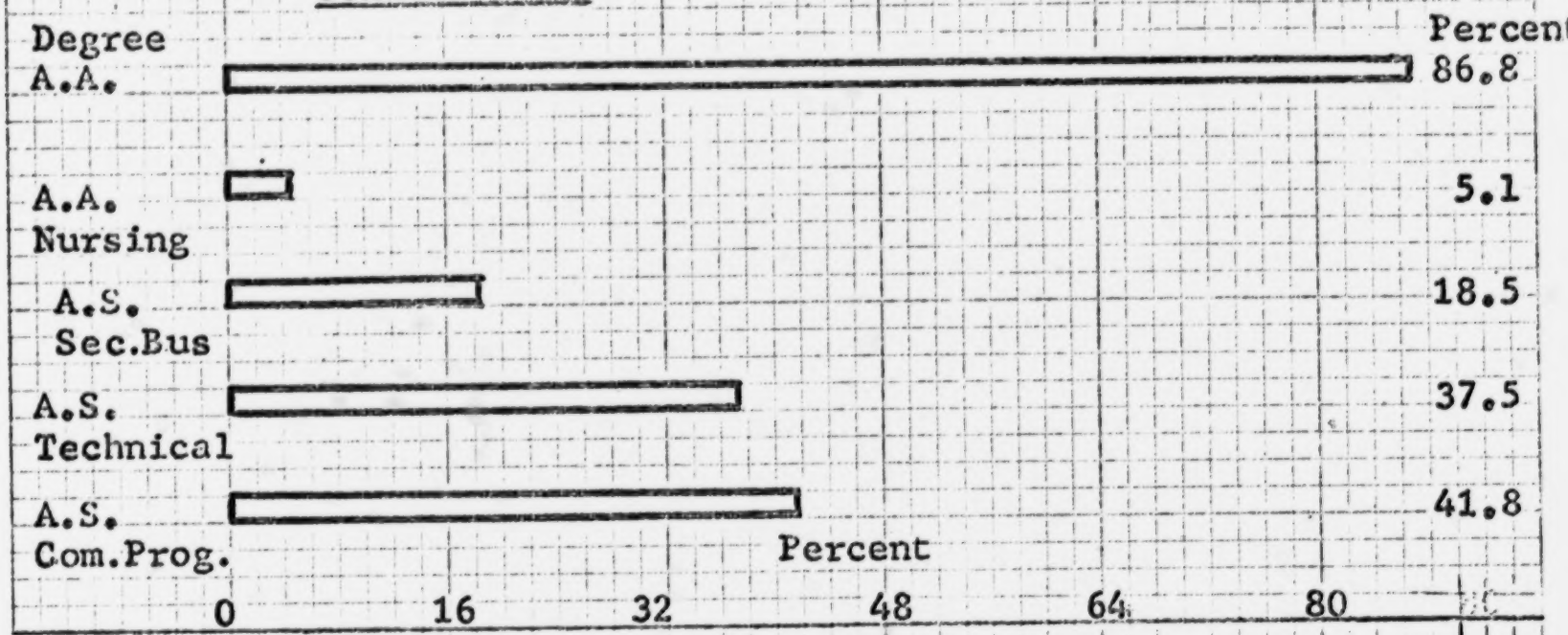
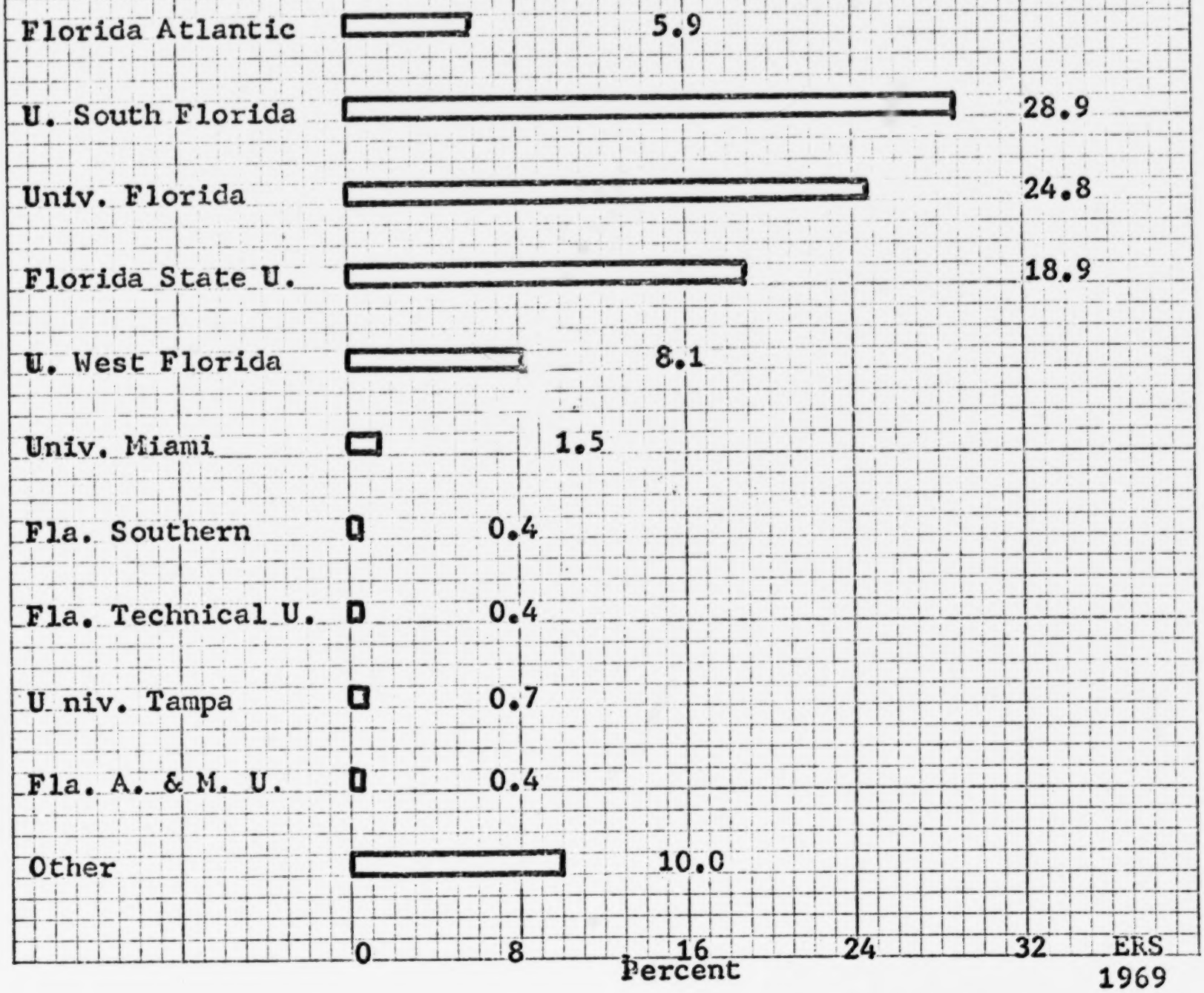
MANATEE JUNIOR COLLEGE 1968 GRADUATES

COLLEGE BOUND



COLLEGE PREFERRED



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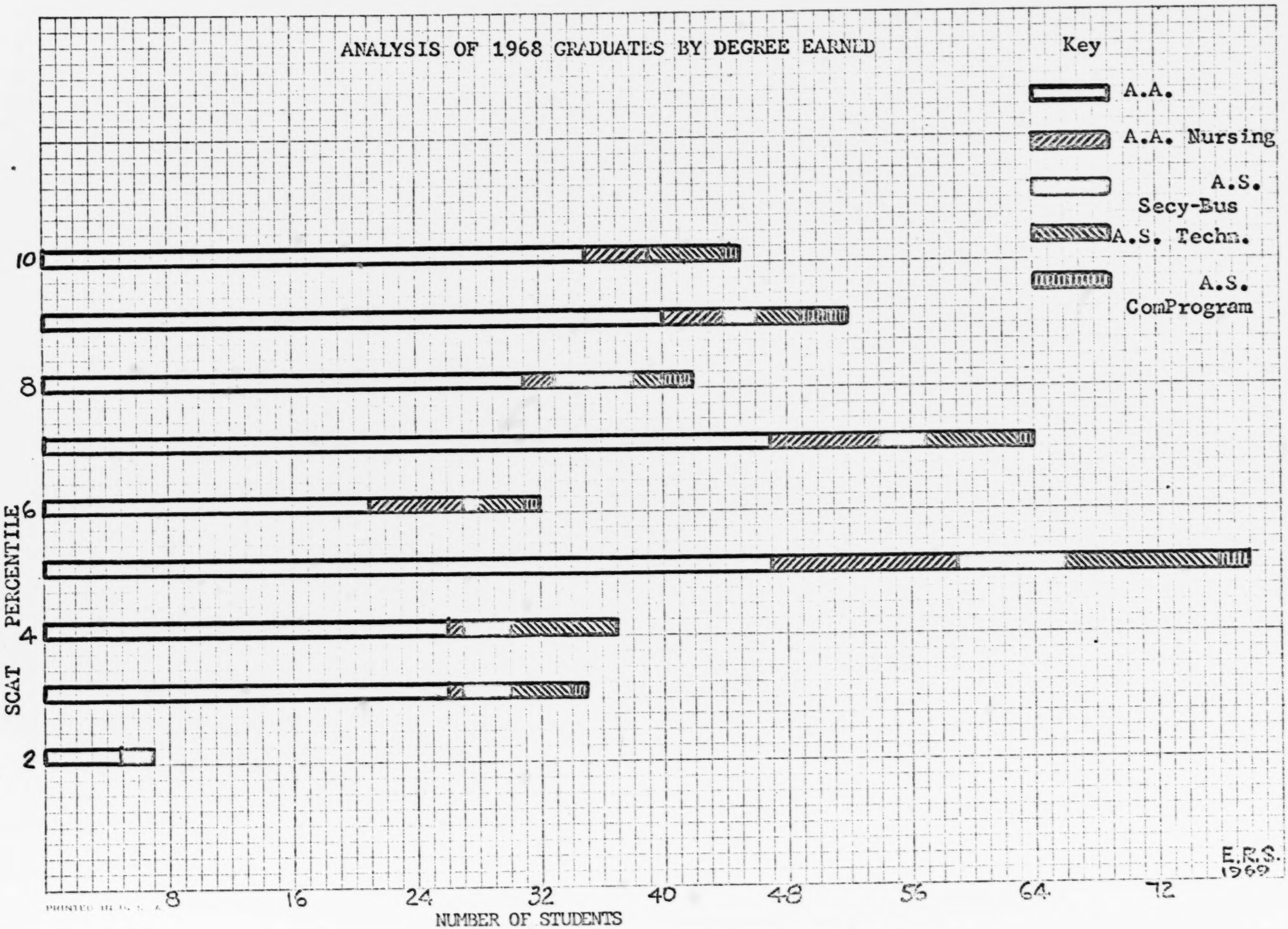
ANALYSIS OF 1968 GRADUATES BY DEGREE EARNED



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S U G G E S T I O N F O R A C T I O N

By June 1969 most MJC graduates who entered senior institutions after receiving their Associate degree will have completed one or more quarters at the senior institution.

A list of transfer students has been prepared for each senior institution to which graduates have applied. It is possible that some did not follow through. However, a follow-up of the transfer students should be undertaken to compare records at the junior and senior colleges and be made a supplement to this report.